Quaddrix® Technologies

made in USA

openQ oQ-63 series

- WiFi optional
- H.264 compression
- Up To D1@30fps Great live video 30 fps display performance. 30fps recording resolution
- MICRO SD MEMORY included
- Compatible softQ Basic
- Compatible softQ Professional
- Compatible pocketQ
- Compatible smartQ

Functions

Built in internal memory for video storage: You can now store 2 or more hours of video recording (at medium resolution according to the memory capacity) to ensure video recording in case of network failures.

SoftQ systems compatible: full camera control and management from Quaddrix NVS systems SoftQ Basic (included) and SoftQ Professional software (sold separately).

Built in Web server: allows video live preview, camera configuration, playback, backup and local recording from Internet Explorer.

Built-in video intelligence functions: such as motion detection, camera masking detection, external alarm connection and alarm output are included, as well as e-mail event notification with attached snapshots, scheduled FTP snapshot, and recording upload.

Wireless connection: Support wireless network, IEEE802.11g/b (for W models only).

Dual stream supported: allows you to have two different video encoding modes simultaneously for different network environments.
Quaddrix IP cameras use the most advanced video encoding technology H.264 and supports video resolutions of up to D1@30Fps.

Functions (don't apply for oQ63-G11)

Day/Night CCD (don't apply for oQ63-G11): The day/night sensor allows you to capture all details and information that provide the color image, and in turn provides you with clear images and high resolution black and white when light levels decrease, thus adapting to a myriad solutions.

DNR (Digital Noise Reduction) (don't apply for oQ63-G11): Digital Noise Reduction technology (DNR) improves image quality by reducing fixed and random noises. As an additional benefit, DNR helps optimize recording process.

General (only for oQ-63-G11)

Quaddrix is proud to introduce a new line of wdr (wide dynamic range) IP mini domes oQ-69-G11 series, ideal solution for indoor and outdoor applications with extreme light conditions.

Configure your oQ – 69 –G11 from internet. Full control through the OpenQ pro surveillance system software included with the minidome. Incredible and useful capabilities like wide dynamic range.

Functions (for viewQ mini domes)

oQ-63-G11 G11 includes WDR Wide Dynamic Range Technology that delivers outstanding performance in strong backlight areas, such as exterior light coming through a window or glass door. High contrast light conditions are no longer a problem when you need to capture detailed images, as the oQ-63 camera has an adjustable dynamic area up to 120 db.

oQ-63-G11 includes OSD On screen display installation conditions with its On Screen Display menu.

oQ-63-G11 includes Quaddrix ViewQ Technology; the new oQ-63 incorporates a new image sensor technology known as Pixim DPS, ultra-wide dynamic range. This technology remarkably increases the image quality delivered by this new image sensor device, providing clearer and much more detailed images than the ones delivered by the traditional CCD-based cameras.

HR High Resolution: Get all your image details and features under unstable or variable lighting conditions -- even in zooming events.

IR Option: The oQ-63 outdoor series is a great solution for medium and small applications where an infrared camera is needed, allowing you to capture images in areas where the light levels are very low or zero, thereby improving the performance of your CCTV solution.

Parts included

oQ-63 Mini Dome / CD Rom

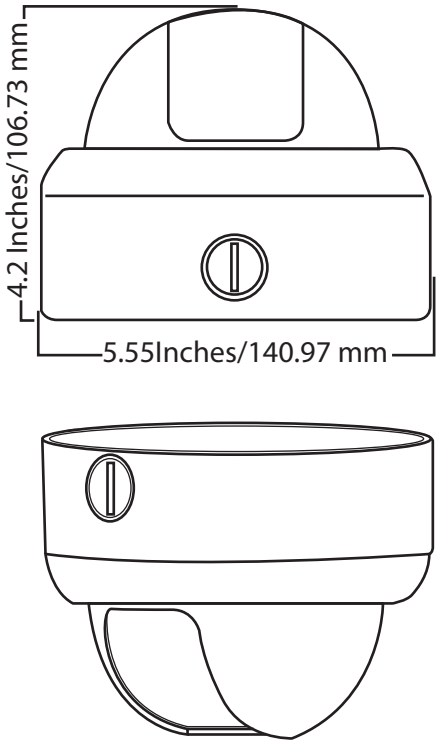
NOTE: for W models (WiFi models) the antenna is none included

- Print manual
- CD ROM (with manual & software aplications) only for ip cameras & encoders

Parts to be ordered separately

Order Information	Part Number	Description
Antenas		(only for WiFi device)
Power Supply	QT-12DC-1.25A	Power Supply 12VDC 1200mA

Technical Drawing



Technical specifications:

Optical specification	oQ-63-C9 / oQ-63-C9W oQ-63-C11/ oQ-63-C11W
Image Sensor	1/3" Sony Super HAD CCD
Effective Pixels	510(H) x 492(V)
Total Pixels	537(H) x 505(V)
Signal System	NTSC (standard)
Resolution	420 TVL
Sensitivity	0.1 Lux / 0lux IR On (only for C9 and C11 models)
Day/Night function	Yes
Infrared Wavelength	850nm
Infrared Lamp Irradiation Dist.	15mts (for C9 models only) 30mts (for C11 models only)
BackLight Compensation	Yes
S/N Ratio	More than 52dB
Electronic Shutter	NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000
White Balance	Auto
Sync mode	Internal
AGC	Auto
WDR	No
Scan System	Interlaced
DSP	Yes
OSD	No
DNR	Yes
DSS	No
Analog Video Output	Yes, BNC connector (for service)
Vertical Phase	59.94Hz

Optical specification	oQ-63-D9 / oQ-63-D9W / oQ-63-D11 / oQ-63-D11W
Image Sensor	1/3" Sony Super HAD CCD
Effective Pixels	768(H) x 494 (V)
Total Pixels	811(H) x 508(V)
Signal System	NTSC (standard)
Resolution	540 TVL
Sensitivity	0.01 Lux / 0lux IR On (only for D9 and D11 models)
Day/Night function	Yes
Infrared Wavelength	850nm
Infrared Lamp Irradiation Dist.	15mts (for D9 models only) 30mts for (for D11 models only)
BackLight Compensation	Yes
S/N Ratio	More than 52dB
Electronic Shutter	NTSC: 1/60 ~ 1/100000 PAL: 1/50 ~ 1/100000
White Balance	Auto
Sync mode	Internal
AGC	Auto
WDR	No
Scan System	Interlaced
DSP	Yes
OSD	No
DNR	Yes
DSS	No
Analog Video Output	Yes, BNC connector (for service)
Vertical Phase	59.94Hz

Optical specification	oQ-63-G11 Pixim Ip
Type	WDR High Resolution mini dome camera
Image Sensor	1/3" Pixim digital image sensor
Effective Pixels	720(H)x540(V)
Signal System	PAL/NTSC
Resolution	540TVL
Sensitivity	0.8 Lux Color 0.08 Lux Slow Shutter ON 0 LUX IRs ON
Day / Night Function	Yes (ICR Mechanical filter)
Infrared Wavelength	850nm
Infrared Lamp Irradiation Dist	30mts
Sensing Area	4,8mmx3,6mm
Lens	2.8~10mm
S/N Radio	More than 50dB
Shutter Speed	1/50(1/60) – 1/100.000sec
White Balance	ATW / AWB / MANUAL
WDR (Wide Dynamic Range)	Yes (102dB typical, 120dB max)
ICR Filter	Yes
OSD	Yes
AGC	LOW/MEDIUM /HIGH / CUSTOM
Sync Mode	Internal
Power Requirements	12V DC
Power Consumption	1,2A

NETWORK (these specs apply for all IP models)

General

BUILT IN WEB BROWSER	Yes
INTERNAL STORAGE	Yes (Up to 2Gb fo local storage)
SECURITY	Multiple user access levels with password protection
USERS	UP to 10 users real time monitoring (account reusable's)
WIFI	Yes, 802.11b/g (only for WiFi models)
ALARM INPUT	2 channels
ALARM OUTPUT	1 channel
NETWORK INTERFACES	1 CH RJ-45 10M/100M self-adaptive Ethernet 1 802.11b/g WIFI (only for W models)
CONNECTORS	1 Alarms socket 1 Mic IN 1 Audio Out 1 12VDC Jack
NETWORK PROTOCOLS	UDP/IP, TCP/IP, DNS, PPPoE, DDNS
STREAM CONTROL MODE	CBR (Constant Bit Rate) /VBR (Variable Bit Rate)
FRAME RATE CONTROL	ACF (Active Control Frame)
DUAL STREAM	Yes
MOTION DETECTION	Yes
PTZ CONTROL	Yes, RS485 out for external device control

Video

SIGNAL SYSTEM	PAL/NTSC
OUTPUT	1 CH RJ45 network connector
VIDEO COMPRESSION	H.264
ENCODE SPEED	NTSC: 1~30Fps adjustable PAL: 1~25Fps adjustable
ENCODE RESOLUTION	D1, HD1, CIF, QCIF, QVGA, QQVGA (real time)
VIDEO QUALITY	1~6 (1 lowest, 6 highest)
MOBILE DEVICE VIEW	Yes PocketQ supported

Lens

	oQ-63-C9 oQ-63-C9W oQ-63-D9 oQ-63-D9W	oQ-63-C11 oQ-63-C11W oQ-63-D11 oQ-63-D11W
Lens Type	Fixed	Varifocal
Focal Length	2.8mm	2.8~10mm
Angle of view	65º(V) / 81º(H)	20º ~ 65º (V) / 27º ~ 81º (H)
Mount type	Board	Board
Iris control	No	Auto Iris DC Drive

Mechanical

	oQ-63-C9 / oQ-63-C9W oQ-63-D9 / oQ-63-D9W oQ-63-C11/ oQ-63-C11W oQ-63-D11 / oQ-63-D11W
Dimensions	106.7mm (H) x 140.9mm (ϕ)
Operation temperature	-10ºC ~ 50ºC
Operation humidity	20% ~ 90%
Environmental protection	Weatherproof - IP66 rated
Vandal proof	Yes

Power

	oQ-63-C9 / oQ-63-C9W oQ-63-D9 / oQ-63-D9W oQ-63-C11/ oQ-63-C11W oQ-63-D11 / oQ-63-D11W
Voltage	12V DC
Power consumption	1.2A
Recommended Power supply	QT-12VDC-2A

Audio

AUDIO COMPRESSION	G.711/AMR
CROSS TALKING	Yes
INPUT	1 CH Stereo Jack (for microphone)
OUTPUT	1 CH Stereo Jack